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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

ALCATEL

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 6

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WIDDOWSON T ET AL: "Polarisation guiding in ultralong distance soliton transmission" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 30, no. 11, 26 May 1994 (1994-05-26), pages 879-880, XP006000611 ISSN: 0013-5194	1,2,6,7	H04J14/08 H04J14/06
Y	* page 879, right-hand column, paragraph 1 - page 890, left-hand column, paragraph 2 *	3-5,8,9	
X	----- LEGUEN D ET AL: "Demonstration of sliding-filter-controlled soliton transmission at 20 Gbit/s over 14 Mm" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 31, no. 4, 16 February 1995 (1995-02-16), pages 301-302, XP006002481 ISSN: 0013-5194	1,6	
A	* page 301, right-hand column *	2-5,7-9	
Y	HEISMANN F ET AL: "AUTOMATIC POLARIZATION DEMULTIPLEXER FOR POLARIZATION-MULTIPLEXED TRANSMISSION SYSTEMS" PROCEEDINGS OF THE EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION (ECOC) MONTREUX, SEPT. 12 - 16, 1993. REGULAR PAPERS, ZURICH, SEV, CH, vol. 2 CONF. 19, 12 September 1993 (1993-09-12), pages 401-404, XP000492247 * page 402, left-hand column, paragraph 1 - page 403, left-hand column, paragraph 1; figure 1 * ----- -/--	3-5,8,9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 April 2003	Examiner Alonso Martin, M.E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	IWATSUKI K ET AL: "80GB/S OPTICAL SOLITON TRANSMISSION OVER 80KM WITH TIME/POLARIZATION DIVISION MULTIPLEXING" PROCEEDINGS OF THE EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION (ECOC)POST DEADLINE PAPERS. BERLIN, SEPT. 27 - OCT. 1, 1992. BOUND AS ONE WITH VOLS. 1 & 2, FRANKFURT, IGVDE, DE, vol. 3 CONF. 18, 27 September 1992 (1992-09-27), pages 851-854, XP000559172 ISBN: 3-8007-1896-7 * page 851, paragraph 1 - page 852, paragraph 2 * * page 853, paragraph 1 * -----	1-9	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 April 2003	Examiner Alonso Martin, M.E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

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